

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing Of Claims:**

1. (Currently Amended) A process for generating at least one descriptive collision signal describing motor vehicle collisions, comprising the steps of:  
deriving a core signal by low-pass filtering a collision signal actually measured;  
splitting the core signal into a plurality of chronologically sequential signal segments;  
simulating each of the signal segments using a respective transmission function having an input;  
combining the transmission functions to form an overall transmission function;  
and  
forming the at least one descriptive collision signal by varying at least one parameter of the overall transmission function.
2. (Original) The process according to claim 1, wherein the core signal is split into individual pulses.
3. (Original) The process according to claim 2, further comprising the step of determining the signal segments by comparing the individual pulses with a model pulse, and accepting one of the individual pulses as an individual signal segment when the individual pulse is within preset limits relative to the model pulse, the model pulse being a gaussian pulse, the gaussian pulse being variable through a plurality of parameters.